Activity Lab 8-3

You are entering a poster contest with your friends. The posters for the contest must have an area of 150 square inches, and must be large enough to display the contest slogan. You and your friends really want your poster to stand out from the others! What dimensions could you use for your poster?

1. Record the bases and heights of all possible rectangular posters if the dimensions are integers.

2. What possible triangular posters could you make? Record the bases and heights.

3. Draw a diagram of an irregularly shaped poster that covers an area of 150 square inches.

4. Compare your diagram with a partner’s. Which shape would you choose for your poster? Why would you choose it?